

VOLTAGE-DETECTING METHOD AND RELATED CIRCUITS

Abstract

A voltage-detecting circuit includes a CPU, a comparator, a first resistor, a second resistor, and at least a power level segment detector connected in parallel with the first resistor, the power level segment detector having a third resistor and a first switch serially connected to the third resistor. The battery is electrically connected to a first input end of the comparator. The first resistor is electrically connected between a second input end of the comparator and a reference voltage. The second resistor is electrically connected between the second input end of the comparator and ground. The method includes outputting a control signal with the CPU to control the first switch by determining voltage levels at the output end of the comparator, and outputting a power indication signal with the CPU to indicate the voltage level of the battery by determining voltage levels at the output end of the comparator.